

F/G. 1

GG CGTAGCACT. ... GACCAAGGCGCACCTAGGGGTCCTTAAGGGCCCCAGCTGAGCTCGCCGGCGTAGCACT. CGTACACT. GGCCGCATCGTGA. GCCCCATCGTCA. . CTGGTTCCGCGTG GATCCCCAGGAATTCCCGGGTCGACTCGAGCGGCCGCATCGTGA Not I tp prevent self annealing of plasmid GTP/ATP| Klenow Pol BamHI/Notl <u>pgrx-47-2</u> · . GACCAAGCGCACCTAG · · GACCAAGGCGCACCTAG . CTGTTCCGCGTGCA BamHI · CTGGTTCCGCGTG

FIG. 2

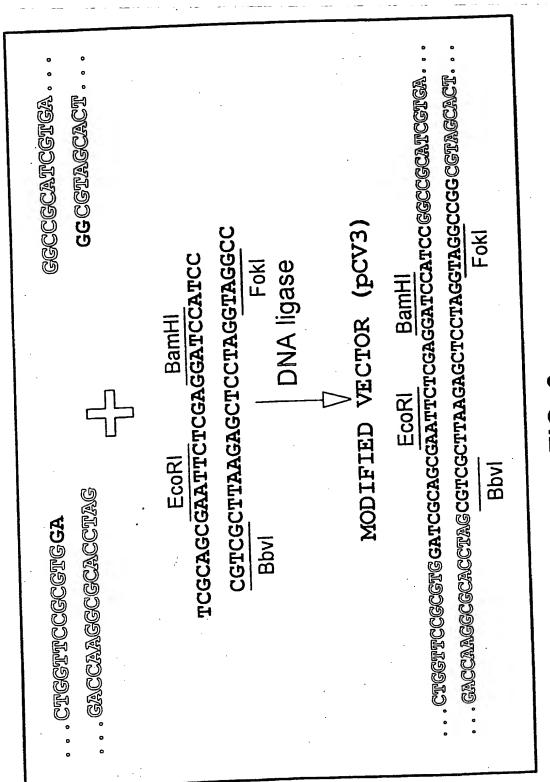


FIG. 3

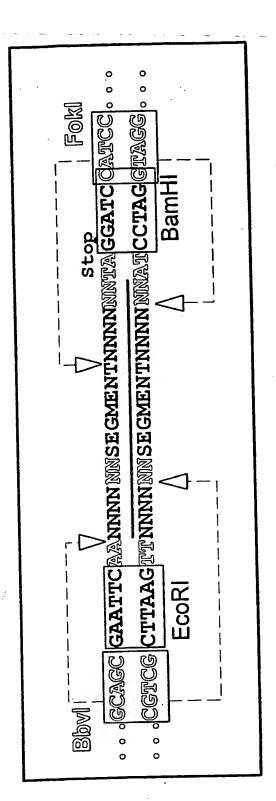


FIG. 4

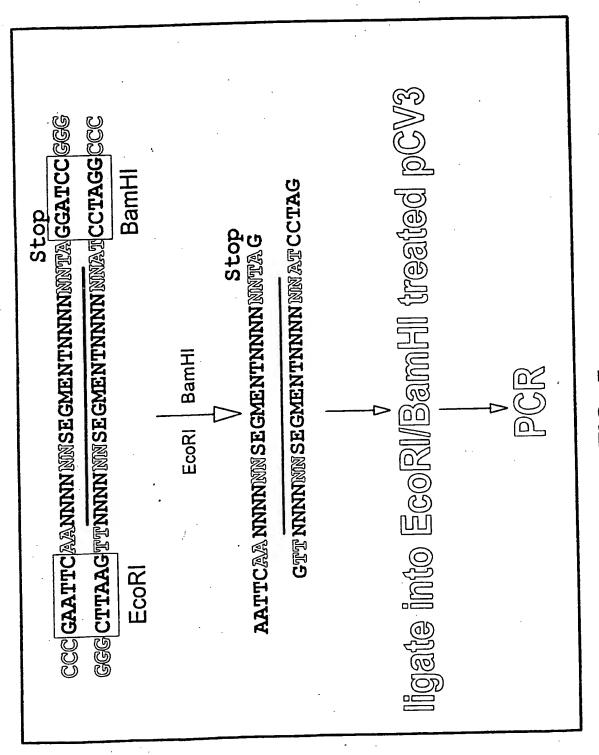


FIG. 5

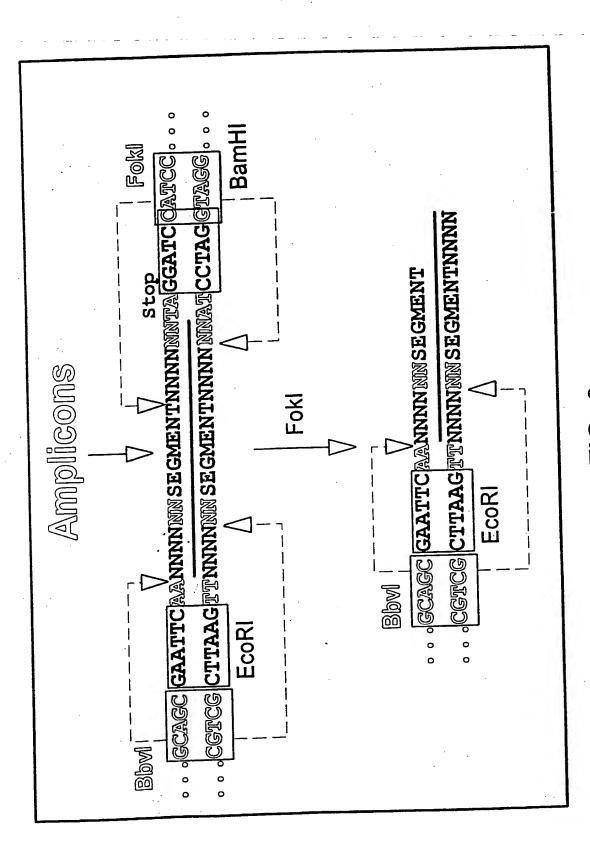


FIG. 6

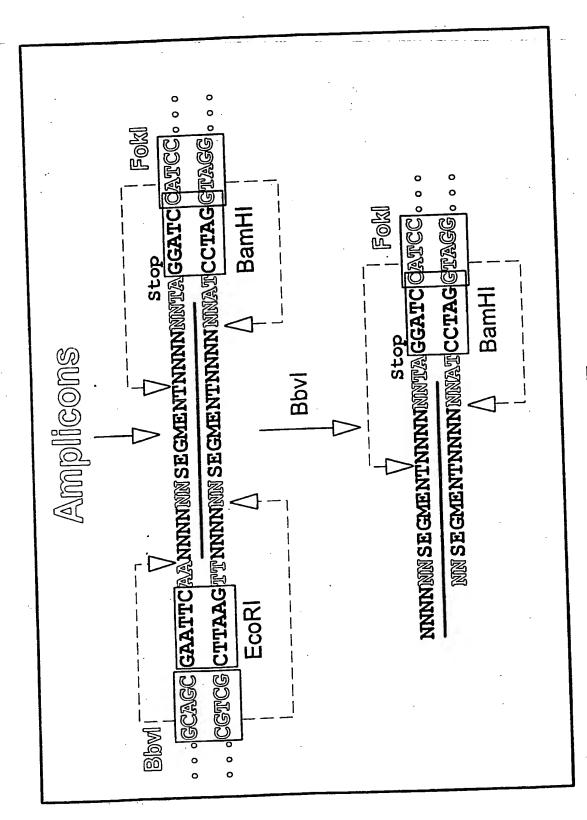


FIG. 7

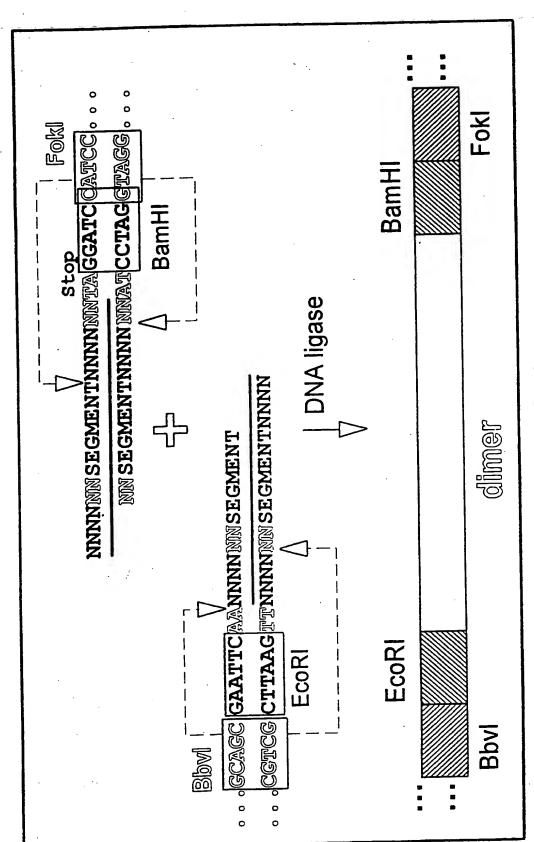
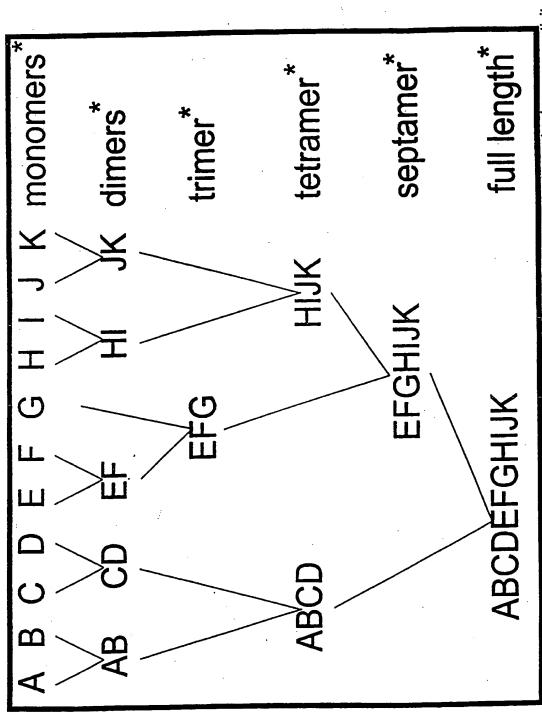


FIG. 8

| Fragment | Sequence | SEQ ID NO |
|----------|--------------------------------|-----------|
| A | PKPQRKTKRN TIRRPQDVKF PGGGQIVG | 23 |
| В | PKPQRQTKRN TNRRPQDVKF PGGGQIVG | 24 |
| U | PKPQRKTKRN TYRRPQDVKF PGGGQIVG | 25 |
| Q | PKPQRKPNRN TNRRPQDVKF PGGGQIVG | 26 |
| E | PKPQRQPKRN TPRRPQDVKF PGGGQIVG | 27 |
| দ্র | PKPQRKTKRN AHRRPQDVKF PGGGQIVG | 28 |
| ღ | PKPQKRNQRN TNRRPQDVKF PGGGQIVG | 29 |
| Н | PKPQRKTKRN TIRRPQDVKF PGGGVIYV | 30 |
| H | PKPQRKTERN TWRRPQDVRF SGGGQIVG | 31 |
| p | PKPKRQTKRN TLRRPKNVKF PAGGQIVG | 32 |
| X | PKPQRKTKRK AHRRPQDVKF PGGGQIVG | 33 |

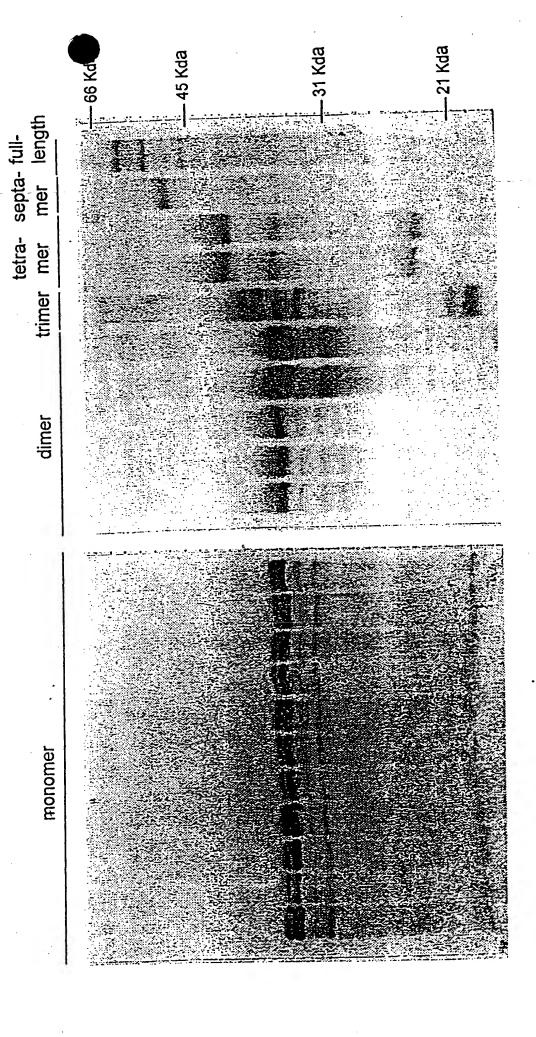
FIG. 9



PCR, clone, PCR for sequence confirmation and sequential assembly, express, determine Immunoreactivity

FIG. 10

Figure 11



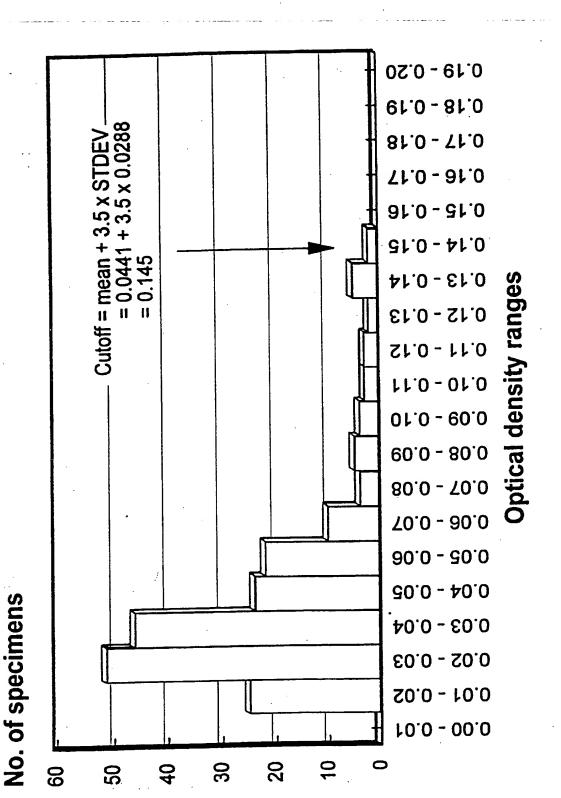
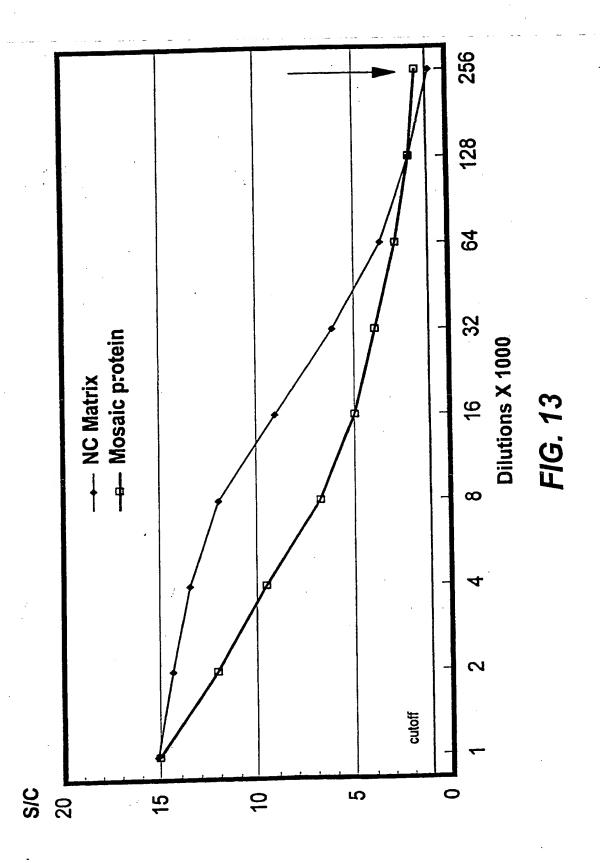
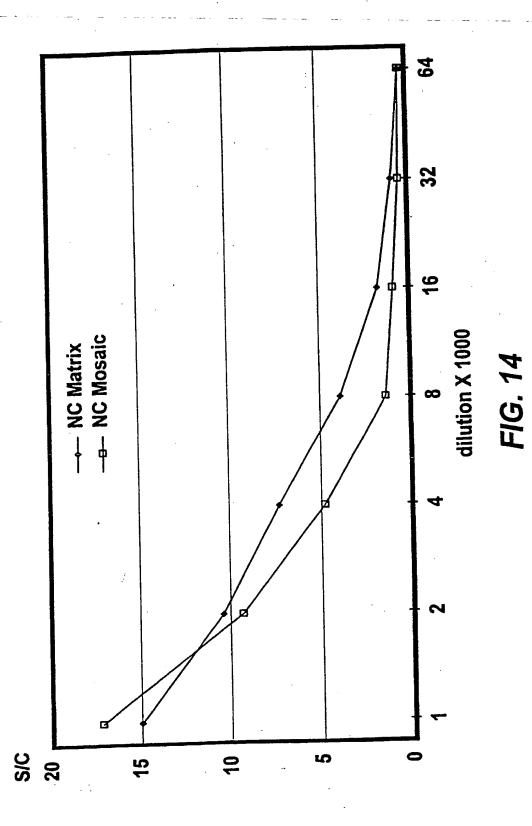


FIG. 12





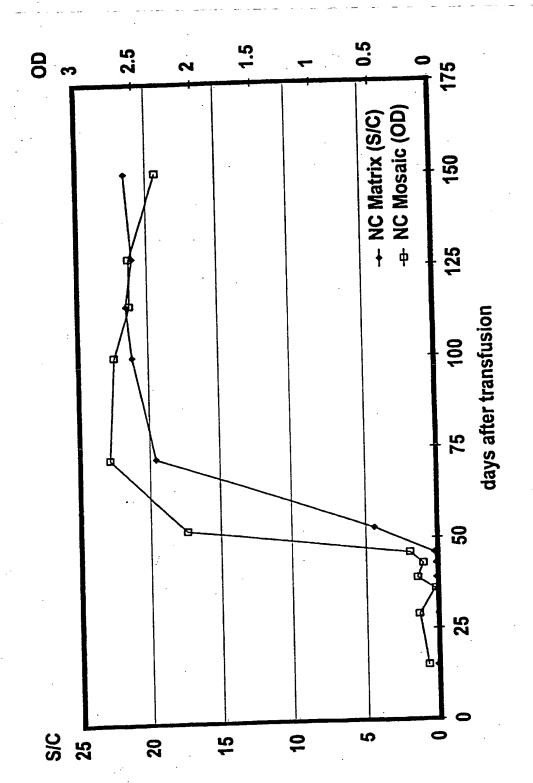


FIG. 15

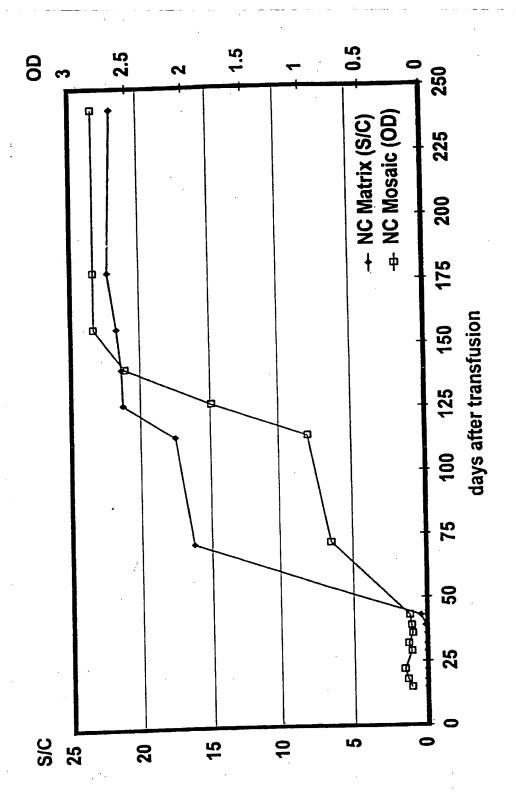


FIG. 16

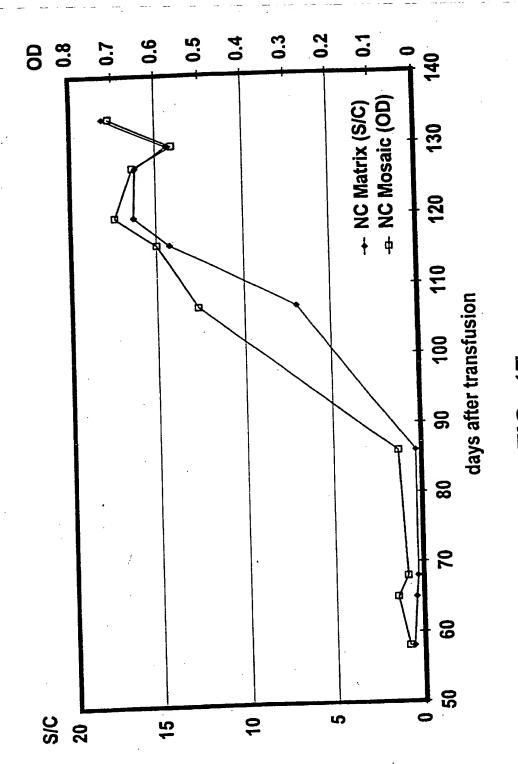
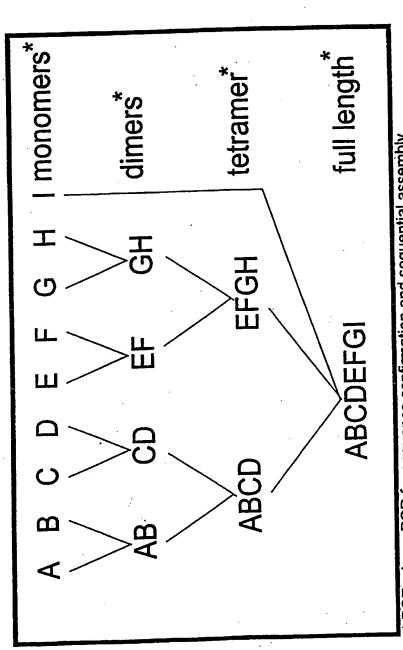


FIG. 17

| | ME(0)(3)(| 個国AFASRGN | ASRGNHDSPTHY | | AFASRGNHVAPTI | VSPRHYVPESEP | Domain 1691 | main 17 | Domain 1921 |
|---------|----------------------|------------------|--------------|---------------------------|----------------------|--------------|------------------|-----------------------------|---------------|
| | | GNHVS | | AFASR | PTHYV | EP WWW | 691-17 | Domain 1712-1733 aa (5-1-1) | 921-19 |
| | AFASRQNHVSPTHYVPESDA | HVSPAHYVPESDA | /PESDA MPM | ASRGNHVAPTHYVTESDA | HYVVESDA | | -1710 aa (5-1-1) | 33 aa (| -1940 aa (59) |
| | QNHV | VPES | | APTHY | V SAME | | (5-1-1) | (5-1-1) | (69) |
| | SPTH | DA S | | VTES | | | | | |
| | WPE | A GARANA | | DA | | | • | | |
| | SDA | | REFDEN | | | | | | |
| 州南闽岸南南州 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | AFASRGNH | | | | |
| | | MAF | | | GNH | | | | |

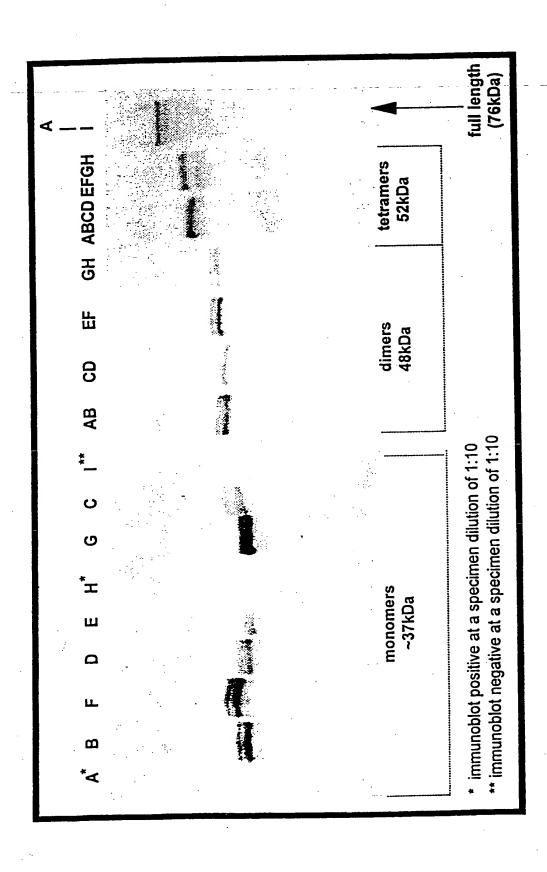
FIG. 18



* PCR, clone, PCR for sequence confirmation and sequential assembly, express, determine immunoreactivity

FIG. 19

Figure 20





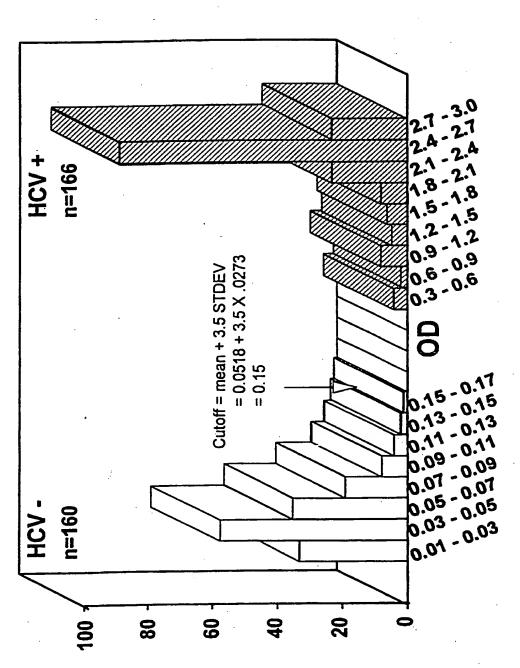
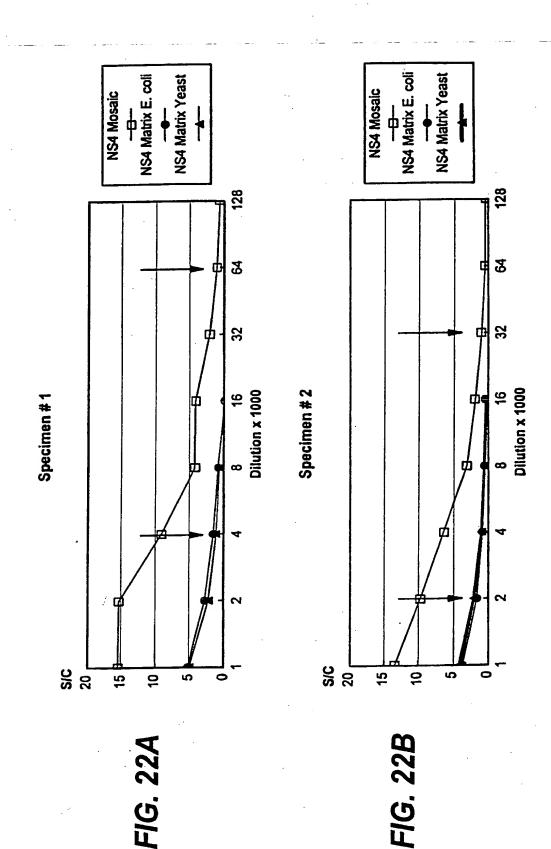
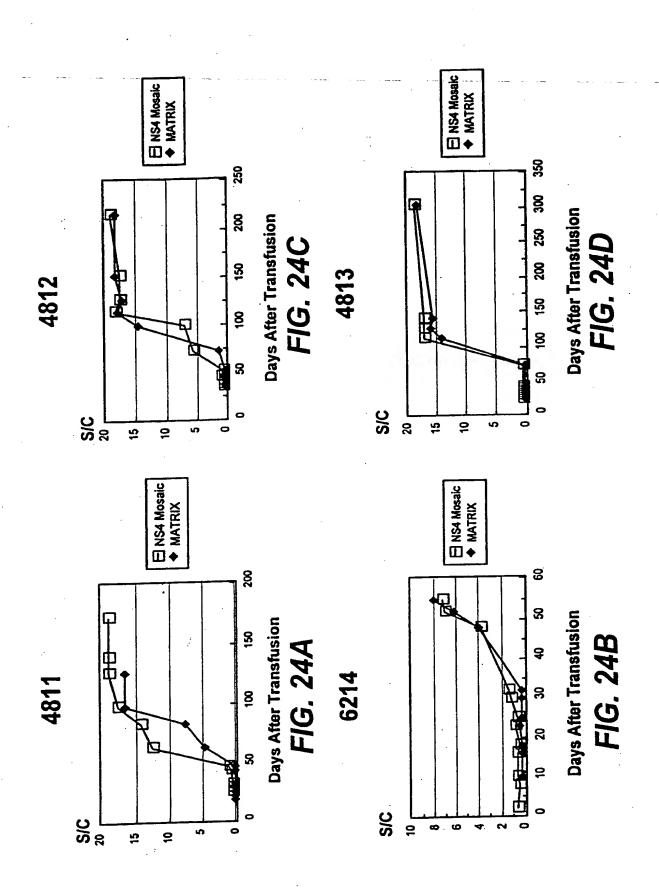


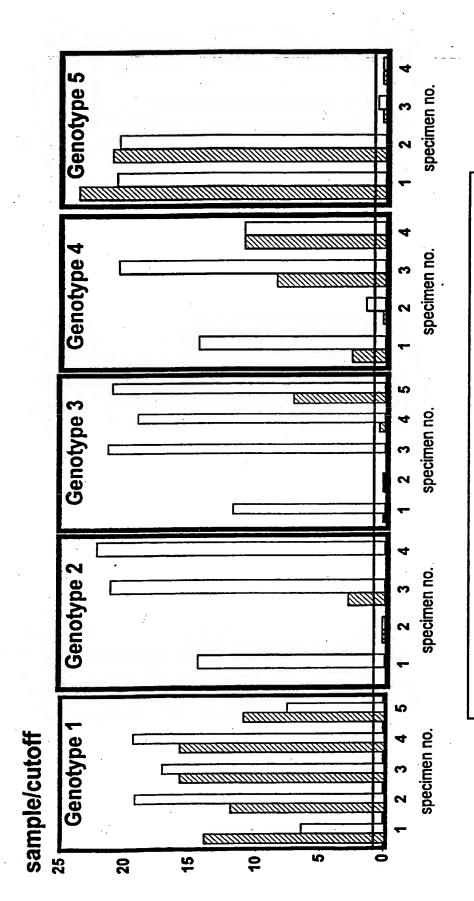
FIG. 21



| × | NC Matrix | NS3 Matrix | NS4 Matrix | NS4 Mosaic |
|-----------------------------------|--------------|---------------|---------------|---------------|
| No. of anti-HCV sera tested | 182 | 182 | 182 | 182 |
| No. of positive sera | 172 | 179 | 158 | 178 |
| Percent positive | 94.5% | 98.4% | 86.8% | 97.8% |

FIG. 23





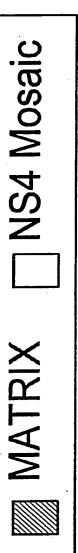


FIG. 25